

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Keith D. Allen                      Examiner: Wilson, Michael C.  
 Serial No.: 10/005,202                      Group Art Unit: 1632  
 Filed: December 4, 2001                      Docket: R-902/40338.48USU1  
 Confirmation No.: 6809  
 Title: Transgenic Mice Containing KIR5.1 Inwardly Rectifying Potassium Channel Gene Disruptions

CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: EV 593832170 US  
 Date of Deposit: December 28, 2004

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By: Sallene Thomssen  
 Name: Sallene Thomssen

Mail Stop AMENDMENT  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

**26619**  
 PATENT TRADEMARK OFFICE

Sir:  
 We are transmitting herewith the attached:

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Amendment: The fee has been calculated as shown below in the "Claims as Amended" table
- ☒ Small entity status has been previously established
- ☒ Other: Spencer, NHGRI; Background on Mouse as a Model Organism
- ☒ Other: Austin et al., Nature Genetics (2004) 36(9):921-24, 921, Commentary - The Knockout Mouse Project
- ☒ Other: Doetschman, Laboratory Animal Science; April, 1999; 49(2):137-43, Interpretation of Phenotype in Genetically Engineered Mice
- ☒ Other: Molecular Biology of the Cell (Albert, 4<sup>th</sup> ed., Garland Science (2002))
- ☒ Other: Genes VII (Lewin, Oxford University Press (2000))
- ☒ Other: Joyner (Gene Targeting: A Practical Approach, Oxford University Press 2000)
- ☒ Other: Matisse et al. (Production of Targeted Embryonic Stem Cell Clones in Joyner, Gene Targeting: A Practical Approach, Oxford University Press 2000)
- ☒ Other: Crawley (What's Wrong With My Mouse Behavioral Phenotyping of Transgenic and Knockout Mice, Wiley-Liss 2000)
- ☒ Return postcard

CLAIMS AS AMENDED

Claims Remaining After Amendment		Highest Number Previously Paid For		Present Extra		Rate		Fee
Total Claims								
17	-	30	=	0	x	25.00	=	\$0.00
Independent Claims								
2	-	17	=	0	x	100.00	=	\$0.00
MULTIPLE DEPENDENT CLAIM FEE								\$0.00
TOTAL FILING FEE								.00

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.  
 P.O. Box 2903, Minneapolis, MN 55402-0903  
 612.332.5300

By: John E. Burke  
 Name: John E. Burke  
 Reg. No.: 35,836  
 JEB/mcn



12-30-04

AF/1632  
ITW

S/N 10/005,202

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Allen, Keith D.	Examiner:	Wilson, Michael C.
Serial No.:	10/005,202	Group Art Unit:	1632
Filed:	12/04/2001	Docket No.:	R902/40338.48USU1
Title:	TRANSGENIC MICE CONTAINING KIR5.1 INWARDLY RECTIFYING POTASSIUM CHANNEL GENE DISRUPTIONS		

CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number: EV344667927US  
Date of Deposit: December 28 2004

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By: Jellene Thomssen  
Name: Jellene Thomssen

AF AMENDMENT

MS AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Final Office Action mailed October 28, 2004, please amend the above-identified application as follows:

**Amendment to the Specification** begins on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims that begins on page 3 of this paper.

**Remarks** begin on page 5 of this paper.